

UNITED TECHNOLOGIES)	DEPARTMENTAL
PRATT & WHITNEY)	FINDING OF FACT AND ORDER
YORK COUNTY)	AIR EMISSION LICENSE
NORTH BERWICK, MAINE)	AMENDMENT #1
A-453-71-P-M (SM))	

After review of the air emissions license application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

I. REGISTRATION

Introduction

Pratt & Whitney, located in North Berwick, Maine has submitted a request for a minor revision to amend their current air emission license, A-453-71-M-M/R. Pratt & Whitney is requesting to install two new coolant evaporators. The new fuel burning equipment is described below.

II. REVISION DESCRIPTION

New Fuel Burning Equipment

Pratt & Whitney plans to install two coolant evaporators that will fire natural gas. The design capacity rate and the maximum firing rate are as follows:

Unit	Design Capacity	Maximum Firing Rate
ENCON 48 *	0.52 MMBtu/hr	615 cf/hour
ENCON 96	1.04 MMBtu/hr	1,150 cf/hour

* The ENCON 48 unit has a maximum heat input less than 1.0 MMBtu/hr and is considered an insignificant activity per Chapter 115 Appendix B of the Department's regulations.

Best Practical Treatment (BPT)

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in Chapter 100 of the Department regulations. Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in Chapter 100 of the Department's regulations. BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

The evaporators will be used to perform dewatering of machine coolant. The ENCON 96 unit will have a maximum heat input capacity of 1.04 MMBtu/hr. The ENCON 96 unit is not considered insignificant and is therefore subject to Best Available Control Technology (BACT). Based on the potential emissions associated with a natural gas burning unit of this size, no add-on control technology would be economically justified. BACT will be the use of natural gas and good combustion and maintenance performance. The natural gas used in these units will be included for calculation of the total facility-wide natural gas use. Because of the size, there is no short-term emission limits for these units. The current facility wide natural gas limit will not change as a result of adding these relatively small units. Visible emissions from the natural gas fired unit shall not exceed 10% opacity on a 6 minute block average.

III. APPLICATION CLASSIFICATION

The application for Pratt & Whitney is considered to be a minor revision. The net increase of emissions are under four tpy for any one regulated pollutant and under eight tpy of total regulated pollutants. Note that this minor revision will not increase any of Pratt & Whitney's current air emission license fuel limits.

ORDER

Based on the above Findings and subject to conditions listed below the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,

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- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-453-71-P-M (SM), subject to the conditions found in Air Emission License A-453-71-M-M/R, and subsequent amendments, and in the following conditions:

- (21) Pratt & Whitney plans to install two new evaporators used to perform dewatering of machine coolant. The units will fire only natural gas and the total fuel use shall be included in Pratt & Whitney's current licensed allowed natural gas fuel use limit as specified in Condition (16)(e) of Air Emission License A-453-71-M-M/R. Visible emissions from the natural gas fired unit shall not exceed 10% opacity on a 6 minute block average.
- (22) This minor revision shall expire concurrently with Air Emission License A-453-71-M-M/R.
- (23) **Payment of Annual License Fee**
 Pratt & Whitney shall pay the annual air emission license fee within 30 days of October 30th of each year. Pursuant to Title 38-353-A, failure to pay this annual fee in the stated timeframe is sufficient grounds for revocation of the license under section 341-D, subsection 3.

DONE AND DATED IN AUGUSTA, MAINE THIS _____ DAY OF _____ 2004.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
 DAWN R. GALLAGHER, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: March 3, 2004

Date of application acceptance: March 16, 2004

Date filed with Board of Environmental Protection: _____

This Order prepared by Edwin L. Cousins, BAQ